

N.10: Awards and Honours

N.10.1: Homi Bhabha Science and Technology Maanpatra

1. Shri Alok Singh, SO/G, Switch Mode Power Converter Section, Electron Accelerator Group, RRCAT has been conferred with the "Homi Bhabha Science and Technology Maanpatra" for the year 2025 for his outstanding contributions in the field of "Power Electronics". The Maanpatra was presented on the occasion of Founder's day program held at BARC, Mumbai on 30th Oct 2025.



2. Shri Sachin Kumar Agrawal, SO/G, Laser Controls & Instrumentation Division, Laser Group, RRCAT has been conferred with the "Homi Bhabha Science and Technology Maanpatra" for the year 2025 for his outstanding contributions in "Machine Vision Based Inspection Systems for Nuclear Fuel Quality Assurance". The Maanpatra was presented on the occasion of Founder's day program held at BARC, Mumbai on 30th Oct 2025.



N.10.2: Best Paper/Poster Award

1. Shri Ujjwal Yadav, SO/D, Accelerator Ramping Power Converter Section, Electron Accelerator Group, RRCAT, received the Best Paper Award at the 2025 IEEE 4th International Conference on Smart Technologies for Power, Energy and Control (STPEC 2025) held at the National Institute of Technology, Goa, India, during 10-13 December 2025. The detail of the paper is as given below



Title: Strategy to Minimize Low-Frequency Fluctuations in Utility Caused by Cyclic Load of Ramping Power Supplies in Booster Synchrotron

Authors: Ujjwal Yadav, Manoj Leelachand Gandhi, Aradhana Kumari

N.11: New Recruits

RRCAT welcomes the following personnel who have joined during July 2025 to December 2025:

- Shri Arpit Goyal, SOC, IAD
- Shri Raj Gaurav, SOC, RFSD
- Shri Siddharth Uniyal, SOC, LBAD
- Shri Manoj, SOC, ALOD
- Shri Pranav Sharma, SOC, SCDD
- Kum. Diksha Joshi, SOC, LPSD
- Shri Akash Chaurasiya, SOC, LCID

- Kum. Harshaa, SOC, ISUD
- Shri Abhinav Raj, SOC, SMPCS
- Shri Harsh Shukla, SOC, IAD
- Shri Abhay Kumrawat, SOC, AMTD
- Shri Snehend Bose, SOC, LBAD
- Shri Vinayak Shrivastava, SOC, CD
- Shri Santosh Yadav, Work Astt./A, Admin.
- Kum. Yasakshi Patle, UDC, Accounts
- Shri Pankaj Rawat, UDC, Admin
- Shri Tarzan Kumar, Work Astt./A, IRPSU

N.12: Superannuations

The following RRCAT colleagues retired during July 2025 to December 2025. RRCAT family wishes them a happy and healthy post-retirement life.

- Dr. Sudhir Kumar Dixit, OS, LG
DoJ: 31-07-1987, DoR: 31-08-2025
- Dr. M.S. Ansari, SOH, LPSD
DoJ: 01-08-1988, DoR: 31-07-2025
- Dr. Arup Banerjee, SOH, SLDD
DoJ: 01-08-1989, DoR: 31-08-2025
- Dr. Alok Dubey, SOH, LBAD
DoJ: 23-08-1993, DoR: 31-08-2025
- Smt. Musuku Seema, SOG, CDBID
DoJ: 17-11-1989, DoR: 31-08-2025
- Shri Pramod Kumar Tripathi, SOG, LPD
DoJ: 01-12-1989, DoR: 31-10-2025
- Shri Rajeev Kumar Mishra, SOG, LPSD
DoJ: 05-05-1987, DoR: 31-10-2025
- Shri Lakshman Singh, SAG, IOD
DoJ: 12-12-1989, DoR: 31-07-2025
- Shri S.L. Baghel, SAG, IOD
DoJ: 17-11-1989, DoR: 31-07-2025
- Shri Ram Chayan Yadav, SAF, CSD
DoJ: 21-08-1990, DoR: 30-11-2025
- Shri Ram Gopal, SAF, CSD
DoJ: 04-01-1991, DoR: 30-11-2025
- Shri G. Muralidharan, SAF, HELOD
DoJ: 29-10-1993 DoR: 31-12-2025
- Shri Babu Ram, Foreman/D, CSD
DoJ: 31-12-1990, DoR: 31-12-2025
- Shri Ashok Kumar Dewangan, Foreman/C, SCCC
DoJ: 20-03-1995, DoR: 30-11-2025
- Shri Vasudev Prasad Sharma, Tech. Sup./A, DMTD
DoJ: 29-11-1991, DoR: 31-12-2025
- Shri S. Sowrirajan, Tech. Sup./A, EDMD
DoJ: 29-10-1993, DoR: 30-09-2025
- Shri Ranjeev Kumar Choudhary, Tech. Sup./A, ALOD
DoJ: 26-10-1993, DoR: 31-12-2025
- Shri Hemant Chitre, Sr. Techn/H, CSD
DoJ: 13-12-1999, DoR: 31-08-2025

Dr. Sudhir Kumar Dixit, Outstanding Scientist and Director, Laser Group superannuated on August 31, 2025 after a meritorious service of 38 years in the Department of Atomic Energy. He received M. Sc. Degree in Physics from Lucknow University in 1985 and his Ph. D. degree in the field of Laser Physics from Devi Ahilya Vishwa Vidyalaya, Indore in 1994. He joined the Laser Program of RRCAT, Indore in 1987 after graduation from 30th batch of BARC Training School, Mumbai. Dr. Dixit has strong expertise in the fields of Laser Technology Development, Optical Resonators, Non-Linear Optics, Interferometry, Fiber Bragg Gratings, Optical Fiber Sensors, and Laser Spectroscopy. As the Director of the Laser Group at RRCAT, he handled the scientific, administrative, and financial responsibilities of the Group. At the senior level, Dr. Dixit put special emphasis on and guided the activities regarding the development and utilization of advanced technologies, such as diode-pumped solid-state lasers and fiber lasers, laser-based additive manufacturing, and laser-based medical isotope production and instrumentation. He has served on various Committees of RRCAT as both Secretary and Chairman. As a member of the Board of Directors of AIC Pi-Hub, he took the lead in the technology transfer and incubation of RRCAT-developed advanced technologies to academic and industrial partners. He also held the position of Senior Professor at HBNI, Mumbai, and guided the Ph.D. and M. Tech. theses of several students. Dr. Dixit contributed to the selection, screening, and promotional interviews of DAE colleagues as a Member/Chairman of several committees. He has more than 250 publications in journals, conferences, and books to his credit. He has also delivered several technical lectures as an Invited Speaker at national and international conferences, both in India and abroad. Dr. Dixit has traveled widely abroad and visited major laser and accelerator institutes all over the world. The RRCAT family wishes him and his family a very happy, healthy, and fulfilling post-retirement life.



Vishwavidyalaya, Indore, in 2000. He visited the University of Texas, USA (2001), and the University of Calgary, Canada (2002), for postdoctoral work. Apart from his scientific research, he also contributed significantly to human resource development activities at RRCAT and held positions such as Head, BARC Training School; Head, Human Resource Development Section; and Dean (Academic), HBNI at RRCAT. He has more than 100 research publications in peer-reviewed journals. He was awarded the Homi Bhabha Science & Technology Award by DAE in 2009 and the Group Achievement Award in 2015. The RRCAT family wishes him and his family a very happy, healthy, and fulfilling post-retirement life.

Dr. Alok Dube, Scientific Officer H, Laser Biomedical Applications Division superannuated on Aug 31, 2025 after a meritorious service of 32 years in the Department of Atomic Energy. Dr. Dube obtained his PhD degree in Life Sciences from DAVV Indore and joined RRCAT as Scientific Officer 'D' in Aug 1993. He was involved in R&D work in the area of photo-biological and therapeutic effects of narrow band-width light and lasers. Dr. Dube made significant and innovative contributions in the development of in-house synthesized chlorophyll-based photosensitizers and its conjugates for use in anticancer and antimicrobial photodynamic therapy. His eminent research work generated one Indian patent and more than 50 publications in peer reviewed international journals. He was recipient of Group Achievement Award along with the team members for his contributions in the “design, development and utilization of optical techniques for high resolution biological imaging”. Dr. Dube contributed to the HBNI Ph.D. program (Life Sciences), guided several Ph.D. students and served in various academic committees. The RRCAT family wishes him and his family a very happy, healthy, and fulfilling post-retirement life.



Dr. Arup Banerjee, Scientific Officer H and Head, Theoretical and Computational Physics Section, Laser Group, superannuated on August 31, 2025 after rendering meritorious service of 36 years in the Department of Atomic Energy. Dr. Banerjee made outstanding contributions in the fields of electronic properties of many-electron systems using density functional theory (DFT), optical response properties through time-dependent DFT, confined atoms and molecules, atomic clusters, and quantum optics. He received his B.Sc. and M.Sc. degrees in Physics in 1986 and 1988, respectively, from Delhi University. Dr. Banerjee graduated from the 32nd Batch of the BARC Training School in 1989 and joined the Laser Physics Division, RRCAT. He was awarded a Ph.D. degree by Devi Ahilya

